

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-225819

(43)Date of publication of application : 24.08.1999

(51)Int.Cl.

A45D 26/00
A61K 7/00

(21)Application number : 10-036213

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(22)Date of filing : 18.02.1998

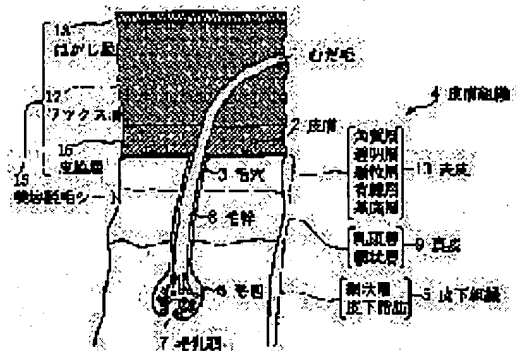
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(54) COSMETIC HAIR REMOVING SHEET AND COSMETIC HAIR REMOVING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To securely remove unnecessary hair without giving unnecessary stimulus on the skin in a section where hair is removed by arranging a film layer which is bonded on the skin by weak bonding force between the skin in the section where hair is removed and a wax layer to form cosmetic hair removing sheet.

SOLUTION: A film layer 16 which is bonded on the skin 2 in a section where hair is removed by weak bonding force and a depilatory layer 17 which is bonded on a part of unnecessary hair which is extended on the film layer 16 and protrudes upward from the film layer 16 by strong bonding force are arranged in a condition in which unnecessary hair 1 protruding from a hair hole 3 in the section where hair is removed penetrates a thickness and protrudes upward to form cosmetic hair removing sheet. When a person who applies cosmetic hair removal peels the depilatory layer 17, the action that the unnecessary hair 1 is peeled in a condition in which the depilatory layer 17 is bonded on the unnecessary hair 1 by strong bonding force is done to remove the unnecessary hair 1. At this time, the film layer 16 is simply peeled from the skin 2 by weak bonding force so that the unnecessary hair 1 can be removed safely and securely without giving adverse effect on the skin.



LEGAL STATUS

[Date of request for examination] 16.05.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3330867

[Date of registration] 19.07.2002

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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CLAIMS

[Claim(s)]

[Claim 1] The cosmetics ~~depilation sheet~~ characterized by to have the coat layer pasted up by weak adhesive strength on the skin of the ~~above-mentioned operating part~~ in the condition that the useless hair which projects from the pore of an operating part attaches and escapes from thickness, and it comes out up, and the depilatory layer pasted up by adhesive strength strong against the useless hair part which extended on the above-mentioned coat layer and has come out from the above-mentioned coat layer in the upper part.

[Claim 2] The cosmetics depilation sheet according to claim 1 characterized by having further the stripping film stripped by the above-mentioned depilatory layer and one when the force which extends on the above-mentioned depilatory layer, therefore pastes up on the depilatory layer concerned at adhesive strength with the strong above-mentioned depilatory layer, and is stripped is given.

[Claim 3] The above-mentioned coat layer is a cosmetics depilation sheet according to claim 1 characterized by being formed of desiccation after applying to the skin front face of the above-mentioned operating part the solution which dissolved as a solute the matter which has a coat formation function in the solvent without compatibility with the above-mentioned depilatory layer.

[Claim 4] The above-mentioned depilatory layer is a cosmetics depilation sheet according to claim 1 characterized by being formed on the above-mentioned coat layer by applying the depilatory by which heating fusion was carried out.

[Claim 5] While dissolving as a solute the matter which has a coat formation function by the cosmetics depilation approach which depilates useless hair using a depilatory layer in the solvent which does not have compatibility with the above-mentioned depilatory layer in the skin front face of ***** and an operating part A solution layer is formed by applying the solution which has weak adhesive strength to the skin front face of the above-mentioned operating part. Dry the above-mentioned solution layer, generate a coat layer, and it has strong adhesive strength to the above-mentioned useless hair on the above-mentioned coat layer. And the above-mentioned depilatory layer is formed by applying the depilatory by which heating fusion was carried out. When the above-mentioned depilatory layer falls to predetermined temperature after stripping on the above-mentioned depilatory layer and sticking the film, The cosmetics depilation approach characterized by depilating the above-mentioned useless hair by stripping the above-mentioned stripping film, the above-mentioned depilatory layer, and a coat together.

[Claim 6] To a solvent without compatibility with ***** and the above-mentioned depilatory layer by the cosmetics depilation approach which depilates useless hair using a depilatory layer Film-like the agent for coat stratification which dried and obtained what dissolved as a solute the matter which has a coat formation function is put on the skin front face of an operating part. By dissolving the above-mentioned agent for coat stratification in a solvent therefore, and applying so that it may apply to the above-mentioned skin front face and may extend The solution layer which has weak adhesive strength to the skin front face of the above-mentioned operating part is formed. A coat layer is generated by drying the solution layer concerned. On the above-mentioned coat layer When it had strong adhesive strength to the above-mentioned useless hair, and the above-mentioned depilatory layer falls to predetermined temperature after having formed the above-mentioned depilatory layer, stripping on the above-mentioned depilatory layer and sticking the film by applying the depilatory by which heating fusion was carried out, The cosmetics depilation approach characterized by depilating the above-mentioned useless hair by stripping the above-mentioned stripping film, the above-mentioned depilatory layer, and a coat

together.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] About a cosmetics depilation sheet and the cosmetics depilation approach, especially this invention is applied, when carrying out depilation processing of the useless hair temporarily, and it is suitable.

[0002]

[Description of the Prior Art] temporary depilation using a shaving, cutting, SUIJINGU, the depilating agent, the wax, etc. as an approach of depilating useless hair conventionally, and the high frequency current or a direct current -- using -- a hair root -- the range that there is permanent depilation which destroys an organization and temporary depilation using a wax is simple for usage, and earlier large -- ***** -- there is an advantage which can be depilated effectively.

[0003]

[Problem(s) to be Solved by the Invention] However, the cosmetics depilation by the wax adopted conventionally is changed into the condition of having pasted up useless hair on the wax by applying a wax with large adhesive strength on the surface of the skin, and since the technique of drawing out the useless hair concerned from pore is used in case a wax is stripped, in case it strips a wax, it has a possibility of tearing off to the horny layer which constitutes the epidermis of the skin.

[0004] This invention was made in consideration of the above point, and it tends to propose the cosmetics depilation sheet and the cosmetics depilation approach which enabled it to depilate useless hair certainly, without having a bad influence on the skin.

[0005]

[Means for Solving the Problem] It is in a condition which the useless hair 1 which projects from the pore 3 of an operating part attaches and escapes from thickness in this invention, and comes out up in order to solve this technical problem, and the coat layer 16 pasted up by weak adhesive strength on the skin 2 of an operating part and the depilatory layer 17 pasted up by adhesive strength strong against the useless hair part which extended on this coat layer 16 and has come out from the coat layer 16 to the upper part form.

[0006] Depilation processing of the useless hair 1 can be carried out safely and certainly, without having a bad influence on the skin, when the depilatory layer 17 carries out actuation which peels in the condition of having pasted up by adhesive strength strong against the useless hair 1, the useless hair 1 is depilated and the coat layer 16 peels simply in weak adhesive strength from the skin 2 in that case if actuation in which a cosmetics depilation operating person tears off the depilatory layer 17 is carried out.

[0007]

[Embodiment of the Invention] About a drawing, the gestalt of 1 operation of this invention is explained in full detail below.

[0008] the scapus pili 8 from the hair papilla 7 in the hair follicle 6 which 1 showed the useless hair which has grown in the skin 2 of a cosmetics defleece operating person's cosmetics depilation operating part in drawing 1, and was formed in the subcutaneous tissue 5 of the skin tissue 4 -- therefore -- dermis 9 and epidermis 10 -- a connoisseur -- it has grown so that it may project in the method of outside from the pore 3 of the intermediary skin 2.

[0009] In the case of the gestalt of this operation, the cosmetics depilation sheet 15 which carries out cosmetics depilation of the useless hair 1 is formed so that the laminating of the wax layer 17 and the stripping film 18 which form the coat layer 16 and a depilatory layer may be carried out on the skin 2 of a cosmetics depilation operating part one by one.

[0010] film forming agent which has weak adhesive strength to the horny layer which the coat layer 16 has in the front face of epidermis 10 0.1[μm]- it is in a condition out of which the useless hair 1 comes up so that it may have the thickness of 500 [μm] (desirable -- 10[μm]*5 [μm]) and may run through the thickness, and it is formed on the skin 2.

[0011] if too thin, when the incidence rate of a pinhole will become high and the thickness of a coat layer 16 is [formation of a uniform coat layer becomes difficult and] too thick conversely, it is ***** about useless hair here -- as -- a coat layer -- forming -- a probability -- high -- becoming -- things -- a coat layer -- attaching -- escaping -- useless hair -- the upper part -- not coming out -- becoming -- possibility -- large -- becoming -- a point -- taking into consideration -- selecting -- having .

[0012] The wax layer 17 is thickness on the coat layer 16. In the thickness of 0.5 [mm] - 10[mm] (preferably 3 [mm] *2 [mm]) the condition that are formed so that the useless hair 1 which has come out of the depilatory which makes hydrophobic organic system resin the charge of a principal member to the upper part from the coat layer 16 may be applied and put, and this pastes up the wax layer 17 by adhesive strength strong against the part of the useless hair 1 -- intermediary ****.

[0013] On the wax layer 17, the stripping film 18 which becomes by chartas or the cloth agent was carried, and, therefore, the stripping film 18 has pasted the wax layer 17 concerned at the strong adhesive strength of the wax layer 17.

[0014] In the above configuration, in case a depilation operation of the useless hair 1 is performed, a cosmetics depilation operating person does stripping actuation which grasps the stripping film 18 and is pulled up from the skin 2 to the upper part.

[0015] At this time, with an adhesion condition with the wax layer 17 maintained, by therefore having pasted the wax layer 17 at the strong adhesive strength of the wax layer 17, the stripping film 18 is torn off together and goes.

[0016] With this, if the wax layer 17 is stripped up and goes by therefore having pasted up the useless hair 1 on the wax layer 17 at the strong adhesive strength of the wax layer 17, it can pull up up together with the wax layer 17 concerned, and, therefore, the scapus pili 8 will be drawn out by the raising force concerned from hair papilla 7 through pore 3 in the upper part.

[0017] In this way, although the wax layer 17 takes the useless hair 1 with it and therefore carries out depilation actuation from pore 3, between the lower part interface of the wax layer 17, and the skin 2, by forming the coat layer 16 which has only weak adhesive strength to the skin 2, the coat layer 16 concerned is stripped together with the wax layer 17 by the stripping actuation to the stripping film 18, and goes actuation at the time of the depilation actuation concerned.

[0018] However, since only weak adhesive strength with is in the coat layer 16 to the skin 2, when the coat layer 16 is torn off from the skin 2, the coat layer 16 is torn off so that it may separate from an adhesion condition with the horny layer currently formed so that the front face of epidermis 10 may be covered simply.

[0019] In case the useless hair 1 pasted up by adhesive strength strong against the wax layer 17 by having formed the coat layer 16 which has weak adhesive strength to the skin 2 between the wax layer 17 and the skin 2 is depilated from pore 3 according to the above configuration, a depilation operation can be performed on insurance, without damaging the horny layer of the skin 2 of the part which performs the depilation operation concerned.

[0020] If a thing (for example, trigluco polysaccharide) of a property which is written and which does not produce un-arranging, such as contact dermatitis, to the skin 2 as a coat layer 16 in carrying out is used Although there is a possibility of producing contact dermatitis etc. as a wax layer 17, even if it strengthens the adhesive strength to the useless hair 1 using the strong wax agent of adhesive strength When the coat layer 16 functions as a protective coat, a cosmetics depilation sheet which protects the skin 2 from various kinds of stimuli safely can be obtained.

[0021] When a trigluco polysaccharide is used as a principal component as a coat layer 16, if it judges in the magnitude of the amount of 1 time used beforehand in case a trigluco polysaccharide makes the solution of the coat layer 16 from processing it on a sheet based on an easy thing (other matter has the

shape of liquefied or powder (crystal)), whenever it does a dissolution activity, it has the facilities which can abolish the need of carrying out weighing capacity.

[0022] Moreover, compared with other matter, according to a coat formation function being high, a coat is strong and the operation over the skin can realize the coat layer 16 with a low allergic stimulus by relaxation compared with the matter of further others.

[0023] Therefore, the cosmetics depilation sheet 15 of drawing 1 is formed on the skin 2 at the following cosmetics depilation operating procedure.

[0024] First, the solution which dissolved as a solute the matter which has a coat formation function in the solvent without compatibility with the wax layer 17 is applied to the front face of the skin 2 of the part which performs a cosmetics depilation operation, and the coat layer 16 is made to form in it by air drying or the forced drying.

[0025] When using the depilatory which uses hydrophobic organic system resin as the main raw material as a wax layer 17, the solvent of the film forming agent at the time of forming the coat layer 16 has the exclusive lotion which added active principles (resolution or an anti-inflammatory agent, sterilization or a disinfectant, etc.) used for a solution here.

[0026] After the coat layer 16 is formed, the depilatory dissolved by optimal temperature (40 [**]-80 [**]) is applied to homogeneity, and on the depilatory concerned, for example, the sheet agent only for wax depilation which becomes by chartas or the cloth agent is stripped, and it carries as film 18, and is made to fully stick on the coat layer 16 concerned.

[0027] In this condition, the cosmetics depilation sheet 15 as the temperature of a depilatory will be in the condition that a depilatory has moderate adhesive strength in low temperature more than 5 [**] at the time of ***** (at the time [For example, 35 [**] - 75 [**] extent] of *****) from the time of spreading and shows to drawing 1 in this way is formed.

[0028] Then, a cosmetics depilation operating person does depilation processing of the useless hair 1 by holding the stripping film 18 with a finger and carrying out actuation of tearing off together with the wax layer 17 and the coat layer 16.

[0029] If the cosmetics depilation sheet 15 is formed in such a procedure and depilation processing is carried out After applying to the front face of the skin 2 the solution which forms the coat layer 16, by the time it strips The condition that the solution concerned makes it run through thickness, and comes out of the useless hair which projects from pore 3 up, making it not give an unnecessary stimulus to the skin 2 As opposed to pasting up the depilatory concerned by adhesive strength strong against the useless hair 1, in case the depilatory which can obtain and forms the wax layer 17 in this way is applied on the coat layer 16 It can avoid having effect of this strong adhesive strength, the dermatitis by the wax component, etc. on the skin 2, and depilation processing of the useless hair 1 can be made safely and certainly in this way.

[0030] In addition, although the exclusive lotion was used as a solvent applied on the skin 2 in order to form the coat layer 16, it replaces with this and you may make it use the solvent of a drainage system in the gestalt of above-mentioned operation.

[0031] Moreover, in an above-mentioned cosmetics depilation operating procedure, although it was made to make it dry in case the coat layer 16 is formed in the front face of the skin 2 after applying a solution, it may replace with this and the following procedures may be used.

[0032] Namely, desiccation processing of the solution which dissolved beforehand the matter which has a coat formation function as a solute in the solvent without compatibility with the wax layer 17 is carried out. The agent for coat phase formation of the shape of a film of the magnitude of extent which has the thickness of 1 - a-1000 number [mum], and appears in the front face of a cosmetics depilation operating part is prepared. After putting one or more cosmetics operating agents for coat stratification concerned on the front face of the skin 2 of a cosmetics depilation operating part first at the time of a cosmetics depilation operation, By dissolving the agent for coat stratification in an exclusive lotion or the solvent of a drainage system therefore, and applying so that it may apply on the skin 2 and may extend, a solution layer is formed on the skin 2, this solution layer is dried, and the coat layer 16 is generated.

[0033] If it does in this way, the coat layer 16 can be made to form easily on the skin 2 in the condition that the useless hair which projects from the pore 3 of the skin 2 of a cosmetics depilation operating part attached and escapes from thickness, and it comes out up.

[0034] Moreover, in the gestalt of above-mentioned operation, although the case was described using the

solvent of a drainage system as a coat layer 16 using hydrophobic organic system resin as a wax layer 17 which is a depilatory layer What is necessary is to replace with this, to make it use a hydrophobic solvent system and a coat formation component as a coat layer 16, using water soluble resin etc. as a wax layer 17, and just to use the solvent which, in short, does not have compatibility with the wax layer 17 which is a depilatory layer as a coat layer 16.

[0035]

[Example] The cosmetics depilation sheet 15 of drawing 1 is realizable using the following ingredient.

[0036] (1) The ingredient of high molecular compounds, such as a vinyl system, a cellulose system, a saccharide and polysaccharide, and a gums, is used for the coat layer 16.

[0037] (1-1) Polyalkylene oxide, such as vinyl system polyvinyl alcohol, polyvinyl methyl ether, a polyvinyl pyrrolidone, polyvinyl methacrylate, polyacrylate, polyethylene oxide, and polypropylene oxide, or the cross linked polymer of those, a carboxyvinyl polymer, polyethyleneimine, etc.

[0038] (1-2) Cellulose system ethyl cellulose, methyl cellulose, carboxy ethyl cellulose and its salt, a carboxymethyl cellulose and its salt, hydroxyethyl cellulose, hydroxypropylcellulose, the hydroxypropyl methylcellulose, a nitrocellulose, crystalline cellulose, etc.

[0039] (1-3) A saccharide, a polysaccharide trigluco polysaccharide, trehalose, and its derivative, Casein, a carrageenan, a lactose, fruit sugar, cane sugar and its ester, a dextrin, Gelatin, pectin, starch, a carrageenan, a carboxymethyl chitin, Carboxymethyl chitosan, a succinyl chitin, succinyl chitosan, A hydroxypropyl chitin, hydroxypropyl chitosan, a succinylation carboxymethyl chitin, Succinylation carboxy chitosan, a chitosan salt, a sulfation chitin, sulfation chitosan, a phosphorylation chitin, phosphorylation chitosan, an alginic acid and its salt, hyaluronic acid and its salt, chondroitin sulfate, its salt, etc.

[0040] (1-4) Gums gum arabic, benzoin rubber, gum dammar, guaiac resin, kadaya gum, tragacanth gum, KIYAROBUGOMU, low dregs bean gum, xanthan gum, etc.

[0041] (2) About the coat layer 16, when using exclusive lotions other than water, the thing of a publication can be used for the resolution shown below or an anti-inflammatory agent and sterilization or a disinfectant, other "1993 the component specification outside cosmetics raw material criteria and years" (Pharmaceutical Affairs Bureau examination division editorial supervision, Yakuji Nippo issue), and "cosmetics raw material criteria and the 2nd edition" (1982, Yakuji Nippo issue).

[0042] (2-1) Resolution, anti-inflammatory agent tranexamic acid and its salt, ichthammol, indomethacin, salicylic-acid, salicylic acid methyl, sodium salicylate, acetylsalicylic-acid, BISAHO roll, lysozyme chloride, diphenhydramine hydrochloride, d, or d1-camphor, hydrocortisone, a GUAI azulene, the chamazulene, chlorpheniramine maleate, glycyrrhizic acid and its salt, glycyrrhetic acid and its salt, a chlorophyll copper complex salt, epsilon-aminocaproic acid, allantoin, etc.

[0043]

(2-2) Sterilization and a disinfectant acrinol, sulfur, a benzalkonium chloride, benzethonium chloride, chlorination MECHIROZANIRIN, cresol, calcium gluconate, chlorhexidine glyconate, sulfamine, mercurochrome, lactoferrin, etc.

[0044] (3) As a depilatory of the wax layer 17, rosin (turpentine which uses an abietic acid as a principal component), and rosin ester (ester of an abietic acid and polyhydric alcohol (synthetic turpentine)) are used as a principal component, lows and fine particles (a paraffin, yellow bees wax, a carnauba wax, a candelilla low, Japan wax, etc.) (talc, titanium oxide, a zinc oxide, silicic anhydride, etc.) are added suitably, and the melting point, viscosity, and the thing that adjusted the stretch at the time of applying are used.

[0045]

[Effect of the Invention] ** it does not give a stimulus unnecessary for the skin of an operating part between the skin of an operating part, and a wax layer as mentioned above by having prepared on the skin the coat layer pasted up by weak adhesive strength according to this invention, the cosmetics depilation sheet and the cosmetics depilation approach of depilating useless hair are realizable certainly.

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TECHNICAL FIELD

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PRIOR ART

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EFFECT OF THE INVENTION

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] However, the cosmetics depilation by the wax adopted conventionally is changed into the condition of having pasted up useless hair on the wax by applying a wax with large adhesive strength on the surface of the skin, and since the technique of drawing out the useless hair concerned from pore is used in case a wax is stripped, in case it strips a wax, it has a possibility of tearing off to the horny layer which constitutes the epidermis of the skin.

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EXAMPLE

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[0043]

(2-2) Sterilization and a disinfectant acrinol, sulfur, a benzalkonium chloride, benzethonium chloride, chlorination MECHIROZANIRIN, cresol, calcium gluconate, chlorhexidine glyconate, sulfamine, mercurochrome, lactoferrin, etc.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the approximate cross-sectional view showing the cosmetics depilation sheet by this invention.

[Description of Notations]

1 [.. Skin tissue, 15 / .. A cosmetics depilation sheet, 16 / .. A coat layer, 17 / .. A wax layer, 18 / .. Stripping film] Useless hair, 2 .. The skin, 3 .. Pore, 4

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DRAWINGS

[Drawing 1]

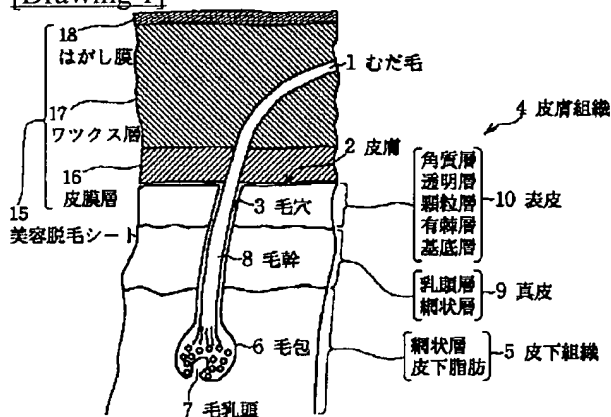


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